

LAB CHRONICLE

OrderID:	Q3375	OrderDate:	10/17/2025 10:32:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-1719208 DOCK-Des-ODC Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3375-01	PR132-S02-074099-2 0251016	SOIL			10/16/25			10/16/25
			VOC-TCLVOA-10	8260D			10/20/25	
Q3375-02	PR132-S04-000013-2 0251016	SOIL			10/16/25			10/16/25
			VOC-TCLVOA-10	8260D			10/20/25	
Q3375-03	PR132-S05-000057-2 0251016	SOIL			10/16/25			10/16/25
			VOC-TCLVOA-10	8260D			10/20/25	
Q3375-04	PR132-S02-010074-2 0251016	SOIL			10/16/25			10/16/25
			VOC-TCLVOA-10	8260D			10/20/25	
Q3375-05	PR132-DP02-2025101 6	SOIL			10/16/25			10/16/25
			VOC-TCLVOA-10	8260D			10/20/25	

Hit Summary Sheet
SW-846

SDG No.: Q3375
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: PR132-S02-074099-20251016								
Q3375-01	PR132-S02-074099	SOIL	Acetone	140		5.90	31.0	ug/Kg
Q3375-01	PR132-S02-074099	SOIL	Carbon Disulfide	2.70	J	1.30	6.20	ug/Kg
Q3375-01	PR132-S02-074099	SOIL	2-Butanone	37.3		8.10	31.0	ug/Kg
			Total Voc :			180		
Q3375-01	PR132-S02-074099	SOIL	Nonane, 3-methyl-	* 7.20	J	0	0	ug/Kg
			Total Tics :			7.20		
			Total Concentration:			187		
Client ID: PR132-S04-000013-20251016								
Q3375-02	PR132-S04-000013	SOIL	Acetone	89.1		6.30	33.1	ug/Kg
Q3375-02	PR132-S04-000013	SOIL	Carbon Disulfide	10.4		1.40	6.60	ug/Kg
Q3375-02	PR132-S04-000013	SOIL	Methyl Acetate	4.20	J	2.00	6.60	ug/Kg
Q3375-02	PR132-S04-000013	SOIL	2-Butanone	21.3	J	8.70	33.1	ug/Kg
			Total Voc :			125		
			Total Concentration:			125		
Client ID: PR132-S05-000057-20251016								
Q3375-03	PR132-S05-000057	SOIL	Acetone	270		7.00	36.8	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Carbon Disulfide	13.3		1.60	7.40	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	2-Butanone	75.1		9.60	36.8	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Methylcyclohexane	27.3		1.30	7.40	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Benzene	4.60	J	1.20	7.40	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	o-Xylene	9.70		1.20	7.40	ug/Kg
			Total Voc :			400		
Q3375-03	PR132-S05-000057	SOIL	Naphthalene, decahydro-, trans *	97.2	J	0	0	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Octane, 2,6-dimethyl- *	95.8	J	0	0	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Heptane, 3-ethyl-2-methyl- *	170	J	0	0	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	Undecane, 2,6-dimethyl- *	100	J	0	0	ug/Kg
Q3375-03	PR132-S05-000057	SOIL	1,3,5-Trimethylbenzene *	4.60	J	1.20	7.40	ug/Kg
			Total Tics :			468		
			Total Concentration:			868		
Client ID: PR132-S02-010074-20251016								
Q3375-04	PR132-S02-010074	SOIL	Acetone	300		11.2	59.0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Carbon Disulfide	12.0		2.50	11.8	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	2-Butanone	88.5		15.4	59.0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Methylcyclohexane	54.7		2.10	11.8	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	o-Xylene	9.40	J	1.90	11.8	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Isopropylbenzene	14.4		1.80	11.8	ug/Kg
			Total Voc :			479		

Hit Summary Sheet
SW-846

SDG No.: Q3375

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3375-04	PR132-S02-010074	SOIL	Naphthalene, decahydro-	* 110	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Octane, 2,6-dimethyl-	* 180	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Dodecane, 2,6,10-trimethyl-	* 130	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	Undecane, 2,6-dimethyl-	* 170	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	1,3,5-Trimethylbenzene	* 11.2	J	1.90	11.8	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	1,2,4-Trimethylbenzene	* 20.7	J	1.50	11.8	ug/Kg
Q3375-04	PR132-S02-010074	SOIL	p-Isopropyltoluene	* 7.80	J	1.50	11.8	ug/Kg
Total Tics :				630				
Total Concentration:				1110				
Client ID:	PR132-DP02-20251016							
Q3375-05	PR132-DP02-20251	SOIL	Acetone	370		11.5	60.8	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	Carbon Disulfide	15.1		2.60	12.2	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	2-Butanone	110		15.9	60.8	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	Methylcyclohexane	36.8		2.20	12.2	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	Benzene	6.40	J	1.90	12.2	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	o-Xylene	11.5	J	2.00	12.2	ug/Kg
Total Voc :				550				
Q3375-05	PR132-DP02-20251	SOIL	Cyclohexane, 1,3,5-trimethyl-	* 49.3	J	0	0	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	Octane, 2,6-dimethyl-	* 96.7	J	0	0	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	Heptane, 3-ethyl-2-methyl-	* 210	J	0	0	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	1,3,5-Trimethylbenzene	* 5.20	J	2.00	12.2	ug/Kg
Q3375-05	PR132-DP02-20251	SOIL	1,2,4-Trimethylbenzene	* 5.80	J	1.60	12.2	ug/Kg
Total Tics :				367				
Total Concentration:				917				



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S02-074099-202510
Lab Sample ID: Q3375-01
Analytical Method: 8260D
Sample Wt/Vol: 5.83 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3375
Matrix: SOIL
% Solid: 69.2
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	6.20	U	1	1.40	6.20	ug/Kg	10/20/25 13:07	VW102025
74-87-3	Chloromethane	6.20	U	1	1.40	6.20	ug/Kg	10/20/25 13:07	VW102025
75-01-4	Vinyl Chloride	6.20	U	1	0.98	6.20	ug/Kg	10/20/25 13:07	VW102025
74-83-9	Bromomethane	6.20	U	1	1.30	6.20	ug/Kg	10/20/25 13:07	VW102025
75-00-3	Chloroethane	6.20	U	1	1.60	6.20	ug/Kg	10/20/25 13:07	VW102025
75-69-4	Trichlorofluoromethane	6.20	U	1	1.50	6.20	ug/Kg	10/20/25 13:07	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	6.20	U	1	1.30	6.20	ug/Kg	10/20/25 13:07	VW102025
75-35-4	1,1-Dichloroethene	6.20	U	1	1.20	6.20	ug/Kg	10/20/25 13:07	VW102025
67-64-1	Acetone	140		1	5.90	31.0	ug/Kg	10/20/25 13:07	VW102025
75-15-0	Carbon Disulfide	2.70	J	1	1.30	6.20	ug/Kg	10/20/25 13:07	VW102025
1634-04-4	Methyl tert-butyl Ether	6.20	U	1	0.90	6.20	ug/Kg	10/20/25 13:07	VW102025
79-20-9	Methyl Acetate	6.20	U	1	1.90	6.20	ug/Kg	10/20/25 13:07	VW102025
75-09-2	Methylene Chloride	12.4	U	1	4.40	12.4	ug/Kg	10/20/25 13:07	VW102025
156-60-5	trans-1,2-Dichloroethene	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
75-34-3	1,1-Dichloroethane	6.20	U	1	0.99	6.20	ug/Kg	10/20/25 13:07	VW102025
110-82-7	Cyclohexane	6.20	U	1	0.98	6.20	ug/Kg	10/20/25 13:07	VW102025
78-93-3	2-Butanone	37.3		1	8.10	31.0	ug/Kg	10/20/25 13:07	VW102025
56-23-5	Carbon Tetrachloride	6.20	U	1	1.20	6.20	ug/Kg	10/20/25 13:07	VW102025
156-59-2	cis-1,2-Dichloroethene	6.20	U	1	0.93	6.20	ug/Kg	10/20/25 13:07	VW102025
74-97-5	Bromochloromethane	6.20	U	1	1.40	6.20	ug/Kg	10/20/25 13:07	VW102025
67-66-3	Chloroform	6.20	U	1	1.00	6.20	ug/Kg	10/20/25 13:07	VW102025
71-55-6	1,1,1-Trichloroethane	6.20	U	1	1.20	6.20	ug/Kg	10/20/25 13:07	VW102025
108-87-2	Methylcyclohexane	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
71-43-2	Benzene	6.20	U	1	0.98	6.20	ug/Kg	10/20/25 13:07	VW102025
107-06-2	1,2-Dichloroethane	6.20	U	1	0.98	6.20	ug/Kg	10/20/25 13:07	VW102025
79-01-6	Trichloroethene	6.20	U	1	1.00	6.20	ug/Kg	10/20/25 13:07	VW102025
78-87-5	1,2-Dichloropropane	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
75-27-4	Bromodichloromethane	6.20	U	1	0.97	6.20	ug/Kg	10/20/25 13:07	VW102025
108-10-1	4-Methyl-2-Pentanone	31.0	U	1	4.40	31.0	ug/Kg	10/20/25 13:07	VW102025
108-88-3	Toluene	6.20	U	1	0.97	6.20	ug/Kg	10/20/25 13:07	VW102025
10061-02-6	t-1,3-Dichloropropene	6.20	U	1	0.81	6.20	ug/Kg	10/20/25 13:07	VW102025
10061-01-5	cis-1,3-Dichloropropene	6.20	U	1	0.77	6.20	ug/Kg	10/20/25 13:07	VW102025
79-00-5	1,1,2-Trichloroethane	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
591-78-6	2-Hexanone	31.0	U	1	4.60	31.0	ug/Kg	10/20/25 13:07	VW102025
124-48-1	Dibromochloromethane	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
106-93-4	1,2-Dibromoethane	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
127-18-4	Tetrachloroethene	6.20	U	1	1.30	6.20	ug/Kg	10/20/25 13:07	VW102025
108-90-7	Chlorobenzene	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025
100-41-4	Ethyl Benzene	6.20	U	1	0.83	6.20	ug/Kg	10/20/25 13:07	VW102025
179601-23-1	m/p-Xylenes	12.4	U	1	1.50	12.4	ug/Kg	10/20/25 13:07	VW102025
95-47-6	o-Xylene	6.20	U	1	1.00	6.20	ug/Kg	10/20/25 13:07	VW102025
100-42-5	Styrene	6.20	U	1	0.88	6.20	ug/Kg	10/20/25 13:07	VW102025
75-25-2	Bromoform	6.20	U	1	1.10	6.20	ug/Kg	10/20/25 13:07	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S02-074099-202510
Lab Sample ID: Q3375-01
Analytical Method: 8260D
Sample Wt/Vol: 5.83 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3375
Matrix: SOIL
% Solid: 69.2
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	6.20	U	1	0.97	6.20	ug/Kg	10/20/25 13:07	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	6.20	U	1	1.50	6.20	ug/Kg	10/20/25 13:07	VW102025
541-73-1	1,3-Dichlorobenzene	6.20	U	1	2.10	6.20	ug/Kg	10/20/25 13:07	VW102025
106-46-7	1,4-Dichlorobenzene	6.20	U	1	1.90	6.20	ug/Kg	10/20/25 13:07	VW102025
95-50-1	1,2-Dichlorobenzene	6.20	U	1	1.80	6.20	ug/Kg	10/20/25 13:07	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	6.20	U	1	2.30	6.20	ug/Kg	10/20/25 13:07	VW102025
120-82-1	1,2,4-Trichlorobenzene	6.20	U	1	3.70	6.20	ug/Kg	10/20/25 13:07	VW102025
87-61-6	1,2,3-Trichlorobenzene	6.20	U	1	3.90	6.20	ug/Kg	10/20/25 13:07	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	68.1			63 - 155	136%	SPK: 50		
1868-53-7	Dibromofluoromethane	59.5			70 - 134	119%	SPK: 50		
2037-26-5	Toluene-d8	58.0			74 - 123	116%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.6			17 - 146	119%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	182000							
540-36-3	1,4-Difluorobenzene	407000							
3114-55-4	Chlorobenzene-d5	456000							
3855-82-1	1,4-Dichlorobenzene-d4	230000							
TENTATIVE IDENTIFIED COMPOUNDS									
005911-04-6	Nonane, 3-methyl-	7.20	J			12.3	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S04-000013-202510
Lab Sample ID: Q3375-02
Analytical Method: 8260D
Sample Wt/Vol: 5.06 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3375
Matrix: SOIL
% Solid: 74.7
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	6.60	U	1	1.50	6.60	ug/Kg	10/20/25 13:29	VW102025
74-87-3	Chloromethane	6.60	U	1	1.50	6.60	ug/Kg	10/20/25 13:29	VW102025
75-01-4	Vinyl Chloride	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
74-83-9	Bromomethane	6.60	U	1	1.40	6.60	ug/Kg	10/20/25 13:29	VW102025
75-00-3	Chloroethane	6.60	U	1	1.70	6.60	ug/Kg	10/20/25 13:29	VW102025
75-69-4	Trichlorofluoromethane	6.60	U	1	1.60	6.60	ug/Kg	10/20/25 13:29	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	6.60	U	1	1.40	6.60	ug/Kg	10/20/25 13:29	VW102025
75-35-4	1,1-Dichloroethene	6.60	U	1	1.30	6.60	ug/Kg	10/20/25 13:29	VW102025
67-64-1	Acetone	89.1		1	6.30	33.1	ug/Kg	10/20/25 13:29	VW102025
75-15-0	Carbon Disulfide	10.4		1	1.40	6.60	ug/Kg	10/20/25 13:29	VW102025
1634-04-4	Methyl tert-butyl Ether	6.60	U	1	0.97	6.60	ug/Kg	10/20/25 13:29	VW102025
79-20-9	Methyl Acetate	4.20	J	1	2.00	6.60	ug/Kg	10/20/25 13:29	VW102025
75-09-2	Methylene Chloride	13.2	U	1	4.70	13.2	ug/Kg	10/20/25 13:29	VW102025
156-60-5	trans-1,2-Dichloroethene	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025
75-34-3	1,1-Dichloroethane	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025
110-82-7	Cyclohexane	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
78-93-3	2-Butanone	21.3	J	1	8.70	33.1	ug/Kg	10/20/25 13:29	VW102025
56-23-5	Carbon Tetrachloride	6.60	U	1	1.30	6.60	ug/Kg	10/20/25 13:29	VW102025
156-59-2	cis-1,2-Dichloroethene	6.60	U	1	0.99	6.60	ug/Kg	10/20/25 13:29	VW102025
74-97-5	Bromochloromethane	6.60	U	1	1.50	6.60	ug/Kg	10/20/25 13:29	VW102025
67-66-3	Chloroform	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025
71-55-6	1,1,1-Trichloroethane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
108-87-2	Methylcyclohexane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
71-43-2	Benzene	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
107-06-2	1,2-Dichloroethane	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
79-01-6	Trichloroethene	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025
78-87-5	1,2-Dichloropropane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
75-27-4	Bromodichloromethane	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
108-10-1	4-Methyl-2-Pentanone	33.1	U	1	4.70	33.1	ug/Kg	10/20/25 13:29	VW102025
108-88-3	Toluene	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
10061-02-6	t-1,3-Dichloropropene	6.60	U	1	0.86	6.60	ug/Kg	10/20/25 13:29	VW102025
10061-01-5	cis-1,3-Dichloropropene	6.60	U	1	0.82	6.60	ug/Kg	10/20/25 13:29	VW102025
79-00-5	1,1,2-Trichloroethane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
591-78-6	2-Hexanone	33.1	U	1	4.90	33.1	ug/Kg	10/20/25 13:29	VW102025
124-48-1	Dibromochloromethane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
106-93-4	1,2-Dibromoethane	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
127-18-4	Tetrachloroethene	6.60	U	1	1.40	6.60	ug/Kg	10/20/25 13:29	VW102025
108-90-7	Chlorobenzene	6.60	U	1	1.20	6.60	ug/Kg	10/20/25 13:29	VW102025
100-41-4	Ethyl Benzene	6.60	U	1	0.89	6.60	ug/Kg	10/20/25 13:29	VW102025
179601-23-1	m/p-Xylenes	13.2	U	1	1.60	13.2	ug/Kg	10/20/25 13:29	VW102025
95-47-6	o-Xylene	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025
100-42-5	Styrene	6.60	U	1	0.94	6.60	ug/Kg	10/20/25 13:29	VW102025
75-25-2	Bromoform	6.60	U	1	1.10	6.60	ug/Kg	10/20/25 13:29	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S04-000013-202510
Lab Sample ID: Q3375-02
Analytical Method: 8260D
Sample Wt/Vol: 5.06 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3375
Matrix: SOIL
% Solid: 74.7
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	6.60	U	1	1.00	6.60	ug/Kg	10/20/25 13:29	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	6.60	U	1	1.60	6.60	ug/Kg	10/20/25 13:29	VW102025
541-73-1	1,3-Dichlorobenzene	6.60	U	1	2.30	6.60	ug/Kg	10/20/25 13:29	VW102025
106-46-7	1,4-Dichlorobenzene	6.60	U	1	2.10	6.60	ug/Kg	10/20/25 13:29	VW102025
95-50-1	1,2-Dichlorobenzene	6.60	U	1	1.90	6.60	ug/Kg	10/20/25 13:29	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	6.60	U	1	2.40	6.60	ug/Kg	10/20/25 13:29	VW102025
120-82-1	1,2,4-Trichlorobenzene	6.60	U	1	3.90	6.60	ug/Kg	10/20/25 13:29	VW102025
87-61-6	1,2,3-Trichlorobenzene	6.60	U	1	4.20	6.60	ug/Kg	10/20/25 13:29	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.6			63 - 155	123%	SPK: 50		
1868-53-7	Dibromofluoromethane	57.0			70 - 134	114%	SPK: 50		
2037-26-5	Toluene-d8	53.8			74 - 123	108%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.2			17 - 146	114%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	191000							
540-36-3	1,4-Difluorobenzene	419000							
3114-55-4	Chlorobenzene-d5	462000							
3855-82-1	1,4-Dichlorobenzene-d4	225000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S05-000057-202510
Lab Sample ID: Q3375-03
Analytical Method: 8260D
Sample Wt/Vol: 5.09 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3375
Matrix: SOIL
% Solid: 66.7
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	7.40	U	1	1.70	7.40	ug/Kg	10/20/25 13:50	VW102025
74-87-3	Chloromethane	7.40	U	1	1.70	7.40	ug/Kg	10/20/25 13:50	VW102025
75-01-4	Vinyl Chloride	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
74-83-9	Bromomethane	7.40	U	1	1.60	7.40	ug/Kg	10/20/25 13:50	VW102025
75-00-3	Chloroethane	7.40	U	1	1.90	7.40	ug/Kg	10/20/25 13:50	VW102025
75-69-4	Trichlorofluoromethane	7.40	U	1	1.80	7.40	ug/Kg	10/20/25 13:50	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	7.40	U	1	1.60	7.40	ug/Kg	10/20/25 13:50	VW102025
75-35-4	1,1-Dichloroethene	7.40	U	1	1.50	7.40	ug/Kg	10/20/25 13:50	VW102025
67-64-1	Acetone	270		1	7.00	36.8	ug/Kg	10/20/25 13:50	VW102025
75-15-0	Carbon Disulfide	13.3		1	1.60	7.40	ug/Kg	10/20/25 13:50	VW102025
1634-04-4	Methyl tert-butyl Ether	7.40	U	1	1.10	7.40	ug/Kg	10/20/25 13:50	VW102025
79-20-9	Methyl Acetate	7.40	U	1	2.30	7.40	ug/Kg	10/20/25 13:50	VW102025
75-09-2	Methylene Chloride	14.7	U	1	5.20	14.7	ug/Kg	10/20/25 13:50	VW102025
156-60-5	trans-1,2-Dichloroethene	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
75-34-3	1,1-Dichloroethane	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
110-82-7	Cyclohexane	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
78-93-3	2-Butanone	75.1		1	9.60	36.8	ug/Kg	10/20/25 13:50	VW102025
56-23-5	Carbon Tetrachloride	7.40	U	1	1.40	7.40	ug/Kg	10/20/25 13:50	VW102025
156-59-2	cis-1,2-Dichloroethene	7.40	U	1	1.10	7.40	ug/Kg	10/20/25 13:50	VW102025
74-97-5	Bromochloromethane	7.40	U	1	1.70	7.40	ug/Kg	10/20/25 13:50	VW102025
67-66-3	Chloroform	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
71-55-6	1,1,1-Trichloroethane	7.40	U	1	1.40	7.40	ug/Kg	10/20/25 13:50	VW102025
108-87-2	Methylcyclohexane	27.3		1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
71-43-2	Benzene	4.60	J	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
107-06-2	1,2-Dichloroethane	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
79-01-6	Trichloroethene	7.40	U	1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
78-87-5	1,2-Dichloropropane	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
75-27-4	Bromodichloromethane	7.40	U	1	1.10	7.40	ug/Kg	10/20/25 13:50	VW102025
108-10-1	4-Methyl-2-Pentanone	36.8	U	1	5.30	36.8	ug/Kg	10/20/25 13:50	VW102025
108-88-3	Toluene	7.40	U	1	1.10	7.40	ug/Kg	10/20/25 13:50	VW102025
10061-02-6	t-1,3-Dichloropropene	7.40	U	1	0.96	7.40	ug/Kg	10/20/25 13:50	VW102025
10061-01-5	cis-1,3-Dichloropropene	7.40	U	1	0.91	7.40	ug/Kg	10/20/25 13:50	VW102025
79-00-5	1,1,2-Trichloroethane	7.40	U	1	1.40	7.40	ug/Kg	10/20/25 13:50	VW102025
591-78-6	2-Hexanone	36.8	U	1	5.40	36.8	ug/Kg	10/20/25 13:50	VW102025
124-48-1	Dibromochloromethane	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
106-93-4	1,2-Dibromoethane	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
127-18-4	Tetrachloroethene	7.40	U	1	1.50	7.40	ug/Kg	10/20/25 13:50	VW102025
108-90-7	Chlorobenzene	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025
100-41-4	Ethyl Benzene	7.40	U	1	0.99	7.40	ug/Kg	10/20/25 13:50	VW102025
179601-23-1	m/p-Xylenes	14.7	U	1	1.80	14.7	ug/Kg	10/20/25 13:50	VW102025
95-47-6	o-Xylene	9.70		1	1.20	7.40	ug/Kg	10/20/25 13:50	VW102025
100-42-5	Styrene	7.40	U	1	1.00	7.40	ug/Kg	10/20/25 13:50	VW102025
75-25-2	Bromoform	7.40	U	1	1.30	7.40	ug/Kg	10/20/25 13:50	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S05-000057-202510
Lab Sample ID: Q3375-03
Analytical Method: 8260D
Sample Wt/Vol: 5.09 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3375
Matrix: SOIL
% Solid: 66.7
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	7.40	U	1	1.10	7.40	ug/Kg	10/20/25 13:50	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	7.40	U	1	1.80	7.40	ug/Kg	10/20/25 13:50	VW102025
541-73-1	1,3-Dichlorobenzene	7.40	U	1	2.50	7.40	ug/Kg	10/20/25 13:50	VW102025
106-46-7	1,4-Dichlorobenzene	7.40	U	1	2.30	7.40	ug/Kg	10/20/25 13:50	VW102025
95-50-1	1,2-Dichlorobenzene	7.40	U	1	2.10	7.40	ug/Kg	10/20/25 13:50	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	7.40	U	1	2.70	7.40	ug/Kg	10/20/25 13:50	VW102025
120-82-1	1,2,4-Trichlorobenzene	7.40	U	1	4.40	7.40	ug/Kg	10/20/25 13:50	VW102025
87-61-6	1,2,3-Trichlorobenzene	7.40	U	1	4.70	7.40	ug/Kg	10/20/25 13:50	VW102025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	72.4			63 - 155	145%	SPK: 50
1868-53-7	Dibromofluoromethane	58.9			70 - 134	118%	SPK: 50
2037-26-5	Toluene-d8	59.3			74 - 123	119%	SPK: 50
460-00-4	4-Bromofluorobenzene	63.7			17 - 146	127%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	183000
540-36-3	1,4-Difluorobenzene	435000
3114-55-4	Chlorobenzene-d5	461000
3855-82-1	1,4-Dichlorobenzene-d4	222000

TENTATIVE IDENTIFIED COMPOUNDS

002051-30-1	Octane, 2,6-dimethyl-	95.8	J		12.3	ug/Kg
014676-29-0	Heptane, 3-ethyl-2-methyl-	170	J		12.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	4.60	J		12.9	ug/Kg
000493-02-7	Naphthalene, decahydro-, trans-	97.2	J		13.9	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	100	J		14.8	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S02-010074-202510
Lab Sample ID: Q3375-04
Analytical Method: 8260D
Sample Wt/Vol: 3.83 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3375
Matrix: SOIL
% Solid: 55.3
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	11.8	U	1	2.70	11.8	ug/Kg	10/20/25 14:12	VW102025
74-87-3	Chloromethane	11.8	U	1	2.70	11.8	ug/Kg	10/20/25 14:12	VW102025
75-01-4	Vinyl Chloride	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
74-83-9	Bromomethane	11.8	U	1	2.50	11.8	ug/Kg	10/20/25 14:12	VW102025
75-00-3	Chloroethane	11.8	U	1	3.00	11.8	ug/Kg	10/20/25 14:12	VW102025
75-69-4	Trichlorofluoromethane	11.8	U	1	2.90	11.8	ug/Kg	10/20/25 14:12	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	11.8	U	1	2.50	11.8	ug/Kg	10/20/25 14:12	VW102025
75-35-4	1,1-Dichloroethene	11.8	U	1	2.40	11.8	ug/Kg	10/20/25 14:12	VW102025
67-64-1	Acetone	300		1	11.2	59.0	ug/Kg	10/20/25 14:12	VW102025
75-15-0	Carbon Disulfide	12.0		1	2.50	11.8	ug/Kg	10/20/25 14:12	VW102025
1634-04-4	Methyl tert-butyl Ether	11.8	U	1	1.70	11.8	ug/Kg	10/20/25 14:12	VW102025
79-20-9	Methyl Acetate	11.8	U	1	3.60	11.8	ug/Kg	10/20/25 14:12	VW102025
75-09-2	Methylene Chloride	23.6	U	1	8.30	23.6	ug/Kg	10/20/25 14:12	VW102025
156-60-5	trans-1,2-Dichloroethene	11.8	U	1	2.00	11.8	ug/Kg	10/20/25 14:12	VW102025
75-34-3	1,1-Dichloroethane	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
110-82-7	Cyclohexane	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
78-93-3	2-Butanone	88.5		1	15.4	59.0	ug/Kg	10/20/25 14:12	VW102025
56-23-5	Carbon Tetrachloride	11.8	U	1	2.30	11.8	ug/Kg	10/20/25 14:12	VW102025
156-59-2	cis-1,2-Dichloroethene	11.8	U	1	1.80	11.8	ug/Kg	10/20/25 14:12	VW102025
74-97-5	Bromochloromethane	11.8	U	1	2.70	11.8	ug/Kg	10/20/25 14:12	VW102025
67-66-3	Chloroform	11.8	U	1	2.00	11.8	ug/Kg	10/20/25 14:12	VW102025
71-55-6	1,1,1-Trichloroethane	11.8	U	1	2.20	11.8	ug/Kg	10/20/25 14:12	VW102025
108-87-2	Methylcyclohexane	54.7		1	2.10	11.8	ug/Kg	10/20/25 14:12	VW102025
71-43-2	Benzene	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
107-06-2	1,2-Dichloroethane	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
79-01-6	Trichloroethene	11.8	U	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
78-87-5	1,2-Dichloropropane	11.8	U	1	2.10	11.8	ug/Kg	10/20/25 14:12	VW102025
75-27-4	Bromodichloromethane	11.8	U	1	1.80	11.8	ug/Kg	10/20/25 14:12	VW102025
108-10-1	4-Methyl-2-Pentanone	59.0	U	1	8.50	59.0	ug/Kg	10/20/25 14:12	VW102025
108-88-3	Toluene	11.8	U	1	1.80	11.8	ug/Kg	10/20/25 14:12	VW102025
10061-02-6	t-1,3-Dichloropropene	11.8	U	1	1.50	11.8	ug/Kg	10/20/25 14:12	VW102025
10061-01-5	cis-1,3-Dichloropropene	11.8	U	1	1.50	11.8	ug/Kg	10/20/25 14:12	VW102025
79-00-5	1,1,2-Trichloroethane	11.8	U	1	2.20	11.8	ug/Kg	10/20/25 14:12	VW102025
591-78-6	2-Hexanone	59.0	U	1	8.70	59.0	ug/Kg	10/20/25 14:12	VW102025
124-48-1	Dibromochloromethane	11.8	U	1	2.10	11.8	ug/Kg	10/20/25 14:12	VW102025
106-93-4	1,2-Dibromoethane	11.8	U	1	2.10	11.8	ug/Kg	10/20/25 14:12	VW102025
127-18-4	Tetrachloroethene	11.8	U	1	2.50	11.8	ug/Kg	10/20/25 14:12	VW102025
108-90-7	Chlorobenzene	11.8	U	1	2.10	11.8	ug/Kg	10/20/25 14:12	VW102025
100-41-4	Ethyl Benzene	11.8	U	1	1.60	11.8	ug/Kg	10/20/25 14:12	VW102025
179601-23-1	m/p-Xylenes	23.6	U	1	2.90	23.6	ug/Kg	10/20/25 14:12	VW102025
95-47-6	o-Xylene	9.40	J	1	1.90	11.8	ug/Kg	10/20/25 14:12	VW102025
100-42-5	Styrene	11.8	U	1	1.70	11.8	ug/Kg	10/20/25 14:12	VW102025
75-25-2	Bromoform	11.8	U	1	2.00	11.8	ug/Kg	10/20/25 14:12	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S02-010074-202510
Lab Sample ID: Q3375-04
Analytical Method: 8260D
Sample Wt/Vol: 3.83 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3375
Matrix: SOIL
% Solid: 55.3
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	14.4		1	1.80	11.8	ug/Kg	10/20/25 14:12	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	11.8	U	1	2.90	11.8	ug/Kg	10/20/25 14:12	VW102025
541-73-1	1,3-Dichlorobenzene	11.8	U	1	4.00	11.8	ug/Kg	10/20/25 14:12	VW102025
106-46-7	1,4-Dichlorobenzene	11.8	U	1	3.70	11.8	ug/Kg	10/20/25 14:12	VW102025
95-50-1	1,2-Dichlorobenzene	11.8	U	1	3.40	11.8	ug/Kg	10/20/25 14:12	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	11.8	U	1	4.30	11.8	ug/Kg	10/20/25 14:12	VW102025
120-82-1	1,2,4-Trichlorobenzene	11.8	U	1	7.00	11.8	ug/Kg	10/20/25 14:12	VW102025
87-61-6	1,2,3-Trichlorobenzene	11.8	U	1	7.50	11.8	ug/Kg	10/20/25 14:12	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.4			63 - 155	117%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.2			70 - 134	104%	SPK: 50		
2037-26-5	Toluene-d8	55.2			74 - 123	110%	SPK: 50		
460-00-4	4-Bromofluorobenzene	61.5			17 - 146	123%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	206000							
540-36-3	1,4-Difluorobenzene	455000							
3114-55-4	Chlorobenzene-d5	446000							
3855-82-1	1,4-Dichlorobenzene-d4	202000							
TENTATIVE IDENTIFIED COMPOUNDS									
002051-30-1	Octane, 2,6-dimethyl-	180	J			12.3	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	11.2	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	20.7	J			13.3	ug/Kg		
99-87-6	p-Isopropyltoluene	7.80	J			13.5	ug/Kg		
000091-17-8	Naphthalene, decahydro-	110	J			13.9	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	170	J			14.8	ug/Kg		
003891-98-3	Dodecane, 2,6,10-trimethyl-	130	J			16.3	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-DP02-20251016
Lab Sample ID: Q3375-05
Analytical Method: 8260D
Sample Wt/Vol: 3.08 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3375
Matrix: SOIL
% Solid: 66.7
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	12.2	U	1	2.80	12.2	ug/Kg	10/20/25 14:34	VW102025
74-87-3	Chloromethane	12.2	U	1	2.80	12.2	ug/Kg	10/20/25 14:34	VW102025
75-01-4	Vinyl Chloride	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
74-83-9	Bromomethane	12.2	U	1	2.60	12.2	ug/Kg	10/20/25 14:34	VW102025
75-00-3	Chloroethane	12.2	U	1	3.10	12.2	ug/Kg	10/20/25 14:34	VW102025
75-69-4	Trichlorofluoromethane	12.2	U	1	2.90	12.2	ug/Kg	10/20/25 14:34	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	12.2	U	1	2.60	12.2	ug/Kg	10/20/25 14:34	VW102025
75-35-4	1,1-Dichloroethene	12.2	U	1	2.40	12.2	ug/Kg	10/20/25 14:34	VW102025
67-64-1	Acetone	370		1	11.5	60.8	ug/Kg	10/20/25 14:34	VW102025
75-15-0	Carbon Disulfide	15.1		1	2.60	12.2	ug/Kg	10/20/25 14:34	VW102025
1634-04-4	Methyl tert-butyl Ether	12.2	U	1	1.80	12.2	ug/Kg	10/20/25 14:34	VW102025
79-20-9	Methyl Acetate	12.2	U	1	3.70	12.2	ug/Kg	10/20/25 14:34	VW102025
75-09-2	Methylene Chloride	24.3	U	1	8.60	24.3	ug/Kg	10/20/25 14:34	VW102025
156-60-5	trans-1,2-Dichloroethene	12.2	U	1	2.10	12.2	ug/Kg	10/20/25 14:34	VW102025
75-34-3	1,1-Dichloroethane	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
110-82-7	Cyclohexane	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
78-93-3	2-Butanone	110		1	15.9	60.8	ug/Kg	10/20/25 14:34	VW102025
56-23-5	Carbon Tetrachloride	12.2	U	1	2.40	12.2	ug/Kg	10/20/25 14:34	VW102025
156-59-2	cis-1,2-Dichloroethene	12.2	U	1	1.80	12.2	ug/Kg	10/20/25 14:34	VW102025
74-97-5	Bromochloromethane	12.2	U	1	2.80	12.2	ug/Kg	10/20/25 14:34	VW102025
67-66-3	Chloroform	12.2	U	1	2.00	12.2	ug/Kg	10/20/25 14:34	VW102025
71-55-6	1,1,1-Trichloroethane	12.2	U	1	2.30	12.2	ug/Kg	10/20/25 14:34	VW102025
108-87-2	Methylcyclohexane	36.8		1	2.20	12.2	ug/Kg	10/20/25 14:34	VW102025
71-43-2	Benzene	6.40	J	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
107-06-2	1,2-Dichloroethane	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
79-01-6	Trichloroethene	12.2	U	1	2.00	12.2	ug/Kg	10/20/25 14:34	VW102025
78-87-5	1,2-Dichloropropane	12.2	U	1	2.20	12.2	ug/Kg	10/20/25 14:34	VW102025
75-27-4	Bromodichloromethane	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
108-10-1	4-Methyl-2-Pentanone	60.8	U	1	8.70	60.8	ug/Kg	10/20/25 14:34	VW102025
108-88-3	Toluene	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
10061-02-6	t-1,3-Dichloropropene	12.2	U	1	1.60	12.2	ug/Kg	10/20/25 14:34	VW102025
10061-01-5	cis-1,3-Dichloropropene	12.2	U	1	1.50	12.2	ug/Kg	10/20/25 14:34	VW102025
79-00-5	1,1,2-Trichloroethane	12.2	U	1	2.20	12.2	ug/Kg	10/20/25 14:34	VW102025
591-78-6	2-Hexanone	60.8	U	1	9.00	60.8	ug/Kg	10/20/25 14:34	VW102025
124-48-1	Dibromochloromethane	12.2	U	1	2.10	12.2	ug/Kg	10/20/25 14:34	VW102025
106-93-4	1,2-Dibromoethane	12.2	U	1	2.10	12.2	ug/Kg	10/20/25 14:34	VW102025
127-18-4	Tetrachloroethene	12.2	U	1	2.60	12.2	ug/Kg	10/20/25 14:34	VW102025
108-90-7	Chlorobenzene	12.2	U	1	2.20	12.2	ug/Kg	10/20/25 14:34	VW102025
100-41-4	Ethyl Benzene	12.2	U	1	1.60	12.2	ug/Kg	10/20/25 14:34	VW102025
179601-23-1	m/p-Xylenes	24.3	U	1	3.00	24.3	ug/Kg	10/20/25 14:34	VW102025
95-47-6	o-Xylene	11.5	J	1	2.00	12.2	ug/Kg	10/20/25 14:34	VW102025
100-42-5	Styrene	12.2	U	1	1.70	12.2	ug/Kg	10/20/25 14:34	VW102025
75-25-2	Bromoform	12.2	U	1	2.10	12.2	ug/Kg	10/20/25 14:34	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-DP02-20251016
Lab Sample ID: Q3375-05
Analytical Method: 8260D
Sample Wt/Vol: 3.08 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3375
Matrix: SOIL
% Solid: 66.7
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	12.2	U	1	1.90	12.2	ug/Kg	10/20/25 14:34	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	12.2	U	1	2.90	12.2	ug/Kg	10/20/25 14:34	VW102025
541-73-1	1,3-Dichlorobenzene	12.2	U	1	4.20	12.2	ug/Kg	10/20/25 14:34	VW102025
106-46-7	1,4-Dichlorobenzene	12.2	U	1	3.80	12.2	ug/Kg	10/20/25 14:34	VW102025
95-50-1	1,2-Dichlorobenzene	12.2	U	1	3.50	12.2	ug/Kg	10/20/25 14:34	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	12.2	U	1	4.50	12.2	ug/Kg	10/20/25 14:34	VW102025
120-82-1	1,2,4-Trichlorobenzene	12.2	U	1	7.20	12.2	ug/Kg	10/20/25 14:34	VW102025
87-61-6	1,2,3-Trichlorobenzene	12.2	U	1	7.70	12.2	ug/Kg	10/20/25 14:34	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	63.6			63 - 155	127%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.9			70 - 134	108%	SPK: 50		
2037-26-5	Toluene-d8	53.8			74 - 123	108%	SPK: 50		
460-00-4	4-Bromofluorobenzene	62.9			17 - 146	126%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	214000							
540-36-3	1,4-Difluorobenzene	486000							
3114-55-4	Chlorobenzene-d5	482000							
3855-82-1	1,4-Dichlorobenzene-d4	228000							
TENTATIVE IDENTIFIED COMPOUNDS									
001839-63-0	Cyclohexane, 1,3,5-trimethyl-	49.3	J			11.4	ug/Kg		
002051-30-1	Octane, 2,6-dimethyl-	96.7	J			12.3	ug/Kg		
014676-29-0	Heptane, 3-ethyl-2-methyl-	210	J			12.4	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	5.20	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	5.80	J			13.2	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q3375

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3375-01	PR132-S02-074099-20251016	1,2-Dichloroethane-d4	50	68.1	136		63	155
		Dibromofluoromethane	50	59.5	119		70	134
		Toluene-d8	50	58.0	116		74	123
		4-Bromofluorobenzene	50	59.6	119		17	146
Q3375-02	PR132-S04-000013-20251016	1,2-Dichloroethane-d4	50	61.5	123		63	155
		Dibromofluoromethane	50	57.0	114		70	134
		Toluene-d8	50	53.8	108		74	123
		4-Bromofluorobenzene	50	57.2	114		17	146
Q3375-03	PR132-S05-000057-20251016	1,2-Dichloroethane-d4	50	72.4	145		63	155
		Dibromofluoromethane	50	58.9	118		70	134
		Toluene-d8	50	59.3	119		74	123
		4-Bromofluorobenzene	50	63.7	127		17	146
Q3375-04	PR132-S02-010074-20251016	1,2-Dichloroethane-d4	50	58.4	117		63	155
		Dibromofluoromethane	50	52.2	104		70	134
		Toluene-d8	50	55.2	110		74	123
		4-Bromofluorobenzene	50	61.5	123		17	146
Q3375-05	PR132-DP02-20251016	1,2-Dichloroethane-d4	50	63.6	127		63	155
		Dibromofluoromethane	50	53.9	108		70	134
		Toluene-d8	50	53.8	108		74	123
		4-Bromofluorobenzene	50	62.9	126		17	146
VW1020SBL01	VW1020SBL01	1,2-Dichloroethane-d4	50	65.7	131		63	155
		Dibromofluoromethane	50	58.2	116		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	51.8	104		17	146
VW1020SBS01	VW1020SBS01	1,2-Dichloroethane-d4	50	52.1	104		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	51.7	103		17	146
VW1020SBSD0	VW1020SBSD01	1,2-Dichloroethane-d4	50	53.1	106		63	155
		Dibromofluoromethane	50	54.5	109		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	52.8	106		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	<u>Q3375</u>	SW-846	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>	Datafile :	<u>VW032380.D</u>	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1020SBS01	Dichlorodifluoromethane	20	19.9	ug/Kg	100			64	136	
	Chloromethane	20	20.1	ug/Kg	101			52	151	
	Vinyl chloride	20	22.1	ug/Kg	111			56	148	
	Bromomethane	20	21.1	ug/Kg	106			58	141	
	Chloroethane	20	21.4	ug/Kg	107			69	130	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	21.7	ug/Kg	109			79	121	
	Acetone	100	97.1	ug/Kg	97			40	171	
	Carbon disulfide	20	21.1	ug/Kg	106			59	130	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			77	129	
	Methyl Acetate	20	17.5	ug/Kg	88			69	149	
	Methylene Chloride	20	19.0	ug/Kg	95			72	131	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	1,1-Dichloroethane	20	20.8	ug/Kg	104			82	123	
	Cyclohexane	20	19.2	ug/Kg	96			76	122	
	2-Butanone	100	87.6	ug/Kg	88			69	131	
	Carbon Tetrachloride	20	22.0	ug/Kg	110			76	129	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			82	123	
	Bromochloromethane	20	20.8	ug/Kg	104			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108			80	126	
	Methylcyclohexane	20	19.3	ug/Kg	97			77	123	
	Benzene	20	20.9	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			81	126	
	Trichloroethene	20	20.3	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			83	122	
	Bromodichloromethane	20	22.0	ug/Kg	110			82	123	
	4-Methyl-2-Pentanone	100	92.3	ug/Kg	92			70	135	
	Toluene	20	20.8	ug/Kg	104			83	122	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104			82	125	
	2-Hexanone	100	92.8	ug/Kg	93			66	138	
	Dibromochloromethane	20	21.7	ug/Kg	109			79	125	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			80	125	
	Tetrachloroethene	20	20.1	ug/Kg	101			83	125	
	Chlorobenzene	20	20.2	ug/Kg	101			84	122	
	Ethyl Benzene	20	20.5	ug/Kg	103			82	124	
	m/p-Xylenes	40	41.2	ug/Kg	103			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Styrene	20	21.1	ug/Kg	106			82	124	
	Bromoform	20	21.5	ug/Kg	108			75	127	
	Isopropylbenzene	20	19.8	ug/Kg	99			82	124	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.3	ug/Kg	102			84	121	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375 Analytical Method: SW8260D

Client: AECOM Datafile : VW032380.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VW1020SBS01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/Kg	92			66	134	
	1,2,4-Trichlorobenzene	20	19.2	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3375	SW-846	Analytical Method:	SW8260D
Client:	AECOM	Datafile :	VW032381.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1020SBSD01	Dichlorodifluoromethane	20	21.7	ug/Kg	109	9		64	136	20
	Chloromethane	20	20.0	ug/Kg	100	1		52	151	20
	Vinyl chloride	20	21.4	ug/Kg	107	4		56	148	20
	Bromomethane	20	21.7	ug/Kg	109	3		58	141	20
	Chloroethane	20	21.6	ug/Kg	108	1		69	130	20
	Trichlorofluoromethane	20	21.6	ug/Kg	108	11		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103	1		81	123	20
	1,1-Dichloroethene	20	21.6	ug/Kg	108	1		79	121	20
	Acetone	100	110	ug/Kg	110	13		40	171	20
	Carbon disulfide	20	21.6	ug/Kg	108	2		59	130	20
	Methyl tert-butyl Ether	20	21.3	ug/Kg	106	11		77	129	20
	Methyl Acetate	20	20.9	ug/Kg	104	17		69	149	20
	Methylene Chloride	20	19.5	ug/Kg	98	3		72	131	20
	trans-1,2-Dichloroethene	20	21.5	ug/Kg	108	3		80	123	20
	1,1-Dichloroethane	20	21.5	ug/Kg	108	4		82	123	20
	Cyclohexane	20	19.7	ug/Kg	99	3		76	122	20
	2-Butanone	100	110	ug/Kg	110	22	*	69	131	20
	Carbon Tetrachloride	20	22.3	ug/Kg	112	2		76	129	20
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106	4		82	123	20
	Bromochloromethane	20	21.5	ug/Kg	108	4		80	127	20
	Chloroform	20	22.5	ug/Kg	113	5		82	125	20
	1,1,1-Trichloroethane	20	22.4	ug/Kg	112	4		80	126	20
	Methylcyclohexane	20	19.4	ug/Kg	97	0		77	123	20
	Benzene	20	21.8	ug/Kg	109	5		84	121	20
	1,2-Dichloroethane	20	22.0	ug/Kg	110	7		81	126	20
	Trichloroethene	20	21.9	ug/Kg	110	8		83	122	20
	1,2-Dichloropropane	20	22.2	ug/Kg	111	6		83	122	20
	Bromodichloromethane	20	23.0	ug/Kg	115	4		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	18		70	135	20
	Toluene	20	22.5	ug/Kg	113	8		83	122	20
	t-1,3-Dichloropropene	20	22.6	ug/Kg	113	11		78	124	20
	cis-1,3-Dichloropropene	20	22.1	ug/Kg	111	7		81	122	20
	1,1,2-Trichloroethane	20	22.6	ug/Kg	113	8		82	125	20
	2-Hexanone	100	110	ug/Kg	110	17		66	138	20
	Dibromochloromethane	20	23.9	ug/Kg	119	9		79	125	20
	1,2-Dibromoethane	20	22.8	ug/Kg	114	11		80	125	20
	Tetrachloroethene	20	21.7	ug/Kg	109	8		83	125	20
	Chlorobenzene	20	21.3	ug/Kg	106	5		84	122	20
	Ethyl Benzene	20	20.6	ug/Kg	103	0		82	124	20
	m/p-Xylenes	40	42.2	ug/Kg	106	3		83	124	20
	o-Xylene	20	20.7	ug/Kg	104	5		83	123	20
	Styrene	20	21.8	ug/Kg	109	3		82	124	20
	Bromoform	20	23.5	ug/Kg	117	8		75	127	20
	Isopropylbenzene	20	19.8	ug/Kg	99	0		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	14		77	127	20
	1,3-Dichlorobenzene	20	21.5	ug/Kg	108	6		83	122	20
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	3		84	121	20
	1,2-Dichlorobenzene	20	21.3	ug/Kg	106	6		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3375</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>	Datafile :	<u>VW032381.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1020SBSD01	1,2-Dibromo-3-Chloropropane	20	23.0	ug/Kg	115	22	*	66	134	20
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102	6		78	127	20
	1,2,3-Trichlorobenzene	20	20.9	ug/Kg	104	9		70	137	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VW1020SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Lab File ID: VW032379.D

Lab Sample ID: VW1020SBL01

Date Analyzed: 10/20/2025

Time Analyzed: 11:11

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025
VW1020SBSD01	VW1020SBSD01	VW032381.D	10/20/2025
PR132-S02-074099-20251016	Q3375-01	VW032383.D	10/20/2025
PR132-S04-000013-20251016	Q3375-02	VW032384.D	10/20/2025
PR132-S05-000057-20251016	Q3375-03	VW032385.D	10/20/2025
PR132-S02-010074-20251016	Q3375-04	VW032386.D	10/20/2025
PR132-DP02-20251016	Q3375-05	VW032387.D	10/20/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Lab File ID: VW032312.D

BFB Injection Date: 10/01/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:12

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.3 (8) 1
176	95.0 - 101.0% of mass 174	63.3 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VW032313.D	10/01/2025	13:12
VSTDIC010	VSTDIC010	VW032314.D	10/01/2025	13:34
VSTDIC020	VSTDIC020	VW032315.D	10/01/2025	14:15
VSTDIC050	VSTDIC050	VW032316.D	10/01/2025	14:37
VSTDIC100	VSTDIC100	VW032317.D	10/01/2025	14:59
VSTDIC150	VSTDIC150	VW032318.D	10/01/2025	15:20

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3375

Lab File ID: VW032377.D

BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_W

BFB Injection Time: 09:36

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.2 (7.8) 1
176	95.0 - 101.0% of mass 174	63.7 (96.2) 1
177	5.0 - 9.0% of mass 176	4.5 (7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032378.D	10/20/2025	10:20
VW1020SBL01	VW1020SBL01	VW032379.D	10/20/2025	11:11
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025	11:41
VW1020SBSD01	VW1020SBSD01	VW032381.D	10/20/2025	12:03
PR132-S02-074099-20251016	Q3375-01	VW032383.D	10/20/2025	13:07
PR132-S04-000013-20251016	Q3375-02	VW032384.D	10/20/2025	13:29
PR132-S05-000057-20251016	Q3375-03	VW032385.D	10/20/2025	13:50
PR132-S02-010074-20251016	Q3375-04	VW032386.D	10/20/2025	14:12
PR132-DP02-20251016	Q3375-05	VW032387.D	10/20/2025	14:34

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02
 Lab Code: ACE SDG NO.: Q3375
 Lab File ID: VW032378.D Date Analyzed: 10/20/2025
 Instrument ID: MSVOA_W Time Analyzed: 10:20
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	276051	7.97	500417	8.86	466876	11.63
UPPER LIMIT	552102	8.465	1000830	9.355	933752	12.129
LOWER LIMIT	138026	7.465	250209	8.355	233438	11.129
EPA SAMPLE NO.						
PR132-S02-074099-20251016	182142	7.96	406610	8.86	455957	11.64
PR132-S04-000013-20251016	190524	7.97	418533	8.85	462277	11.63
PR132-S05-000057-20251016	183471	7.97	434639	8.85	460571	11.63
PR132-S02-010074-20251016	206211	7.97	455416	8.85	446070	11.64
PR132-DP02-20251016	213761	7.96	486286	8.86	482157	11.64
VW1020SBL01	172114	7.96	392797	8.85	400571	11.63
VW1020SBS01	280998	7.96	517149	8.85	480746	11.63
VW1020SBSD01	280654	7.96	507546	8.86	481210	11.63

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3375</u>
Lab File ID:	<u>VW032378.D</u>	Date Analyzed:	<u>10/20/2025</u>
Instrument ID:	<u>MSVOA_W</u>	Time Analyzed:	<u>10:20</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	234766	13.556				
UPPER LIMIT	469532	14.056				
LOWER LIMIT	117383	13.056				
EPA SAMPLE NO.						
PR132-S02-074099-20251016	230143	13.56				
PR132-S04-000013-20251016	224932	13.56				
PR132-S05-000057-20251016	221559	13.56				
PR132-S02-010074-20251016	201731	13.56				
PR132-DP02-20251016	228053	13.56				
VW1020SBL01	188560	13.56				
VW1020SBS01	240746	13.56				
VW1020SBSD01	239754	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VW1020SBL01
Lab Sample ID: VW1020SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3375
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/20/25 11:11	VW102025
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/20/25 11:11	VW102025
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/20/25 11:11	VW102025
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/20/25 11:11	VW102025
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/20/25 11:11	VW102025
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/20/25 11:11	VW102025
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/20/25 11:11	VW102025
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/20/25 11:11	VW102025
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/20/25 11:11	VW102025
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/20/25 11:11	VW102025
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/20/25 11:11	VW102025
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/20/25 11:11	VW102025
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/20/25 11:11	VW102025
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/20/25 11:11	VW102025
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/20/25 11:11	VW102025
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/20/25 11:11	VW102025
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/20/25 11:11	VW102025
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/20/25 11:11	VW102025
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/20/25 11:11	VW102025
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/20/25 11:11	VW102025
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/20/25 11:11	VW102025
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/20/25 11:11	VW102025
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VW1020SBL01
Lab Sample ID: VW1020SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3375
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/20/25 11:11	VW102025
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/20/25 11:11	VW102025
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/20/25 11:11	VW102025
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/20/25 11:11	VW102025
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/20/25 11:11	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	65.7			63 - 155	131%	SPK: 50		
1868-53-7	Dibromofluoromethane	58.2			70 - 134	116%	SPK: 50		
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.8			17 - 146	104%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	172000							
540-36-3	1,4-Difluorobenzene	393000							
3114-55-4	Chlorobenzene-d5	401000							
3855-82-1	1,4-Dichlorobenzene-d4	189000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VW1020SBS01
Lab Sample ID: VW1020SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3375
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	19.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
74-87-3	Chloromethane	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-01-4	Vinyl Chloride	22.1		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
74-83-9	Bromomethane	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-00-3	Chloroethane	21.4		1	1.30	5.00	ug/Kg	10/20/25 11:41	VW102025
75-69-4	Trichlorofluoromethane	19.4		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-35-4	1,1-Dichloroethene	21.7		1	1.00	5.00	ug/Kg	10/20/25 11:41	VW102025
67-64-1	Acetone	97.1		1	4.70	25.0	ug/Kg	10/20/25 11:41	VW102025
75-15-0	Carbon Disulfide	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
1634-04-4	Methyl tert-butyl Ether	19.0		1	0.73	5.00	ug/Kg	10/20/25 11:41	VW102025
79-20-9	Methyl Acetate	17.5		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/20/25 11:41	VW102025
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025
75-34-3	1,1-Dichloroethane	20.8		1	0.80	5.00	ug/Kg	10/20/25 11:41	VW102025
110-82-7	Cyclohexane	19.2		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
78-93-3	2-Butanone	87.6		1	6.50	25.0	ug/Kg	10/20/25 11:41	VW102025
56-23-5	Carbon Tetrachloride	22.0		1	0.97	5.00	ug/Kg	10/20/25 11:41	VW102025
156-59-2	cis-1,2-Dichloroethene	20.3		1	0.75	5.00	ug/Kg	10/20/25 11:41	VW102025
74-97-5	Bromochloromethane	20.8		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
67-66-3	Chloroform	21.5		1	0.84	5.00	ug/Kg	10/20/25 11:41	VW102025
71-55-6	1,1,1-Trichloroethane	21.5		1	0.93	5.00	ug/Kg	10/20/25 11:41	VW102025
108-87-2	Methylcyclohexane	19.3		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
71-43-2	Benzene	20.9		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
107-06-2	1,2-Dichloroethane	20.6		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
79-01-6	Trichloroethene	20.3		1	0.81	5.00	ug/Kg	10/20/25 11:41	VW102025
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
75-27-4	Bromodichloromethane	22.0		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
108-10-1	4-Methyl-2-Pentanone	92.3		1	3.60	25.0	ug/Kg	10/20/25 11:41	VW102025
108-88-3	Toluene	20.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-02-6	t-1,3-Dichloropropene	20.2		1	0.65	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-01-5	cis-1,3-Dichloropropene	20.7		1	0.62	5.00	ug/Kg	10/20/25 11:41	VW102025
79-00-5	1,1,2-Trichloroethane	20.7		1	0.92	5.00	ug/Kg	10/20/25 11:41	VW102025
591-78-6	2-Hexanone	92.8		1	3.70	25.0	ug/Kg	10/20/25 11:41	VW102025
124-48-1	Dibromochloromethane	21.7		1	0.87	5.00	ug/Kg	10/20/25 11:41	VW102025
106-93-4	1,2-Dibromoethane	20.3		1	0.88	5.00	ug/Kg	10/20/25 11:41	VW102025
127-18-4	Tetrachloroethene	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
108-90-7	Chlorobenzene	20.2		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
100-41-4	Ethyl Benzene	20.5		1	0.67	5.00	ug/Kg	10/20/25 11:41	VW102025
179601-23-1	m/p-Xylenes	41.2		1	1.20	10.0	ug/Kg	10/20/25 11:41	VW102025
95-47-6	o-Xylene	19.8		1	0.82	5.00	ug/Kg	10/20/25 11:41	VW102025
100-42-5	Styrene	21.1		1	0.71	5.00	ug/Kg	10/20/25 11:41	VW102025
75-25-2	Bromoform	21.5		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VW1020SBS01
Lab Sample ID: VW1020SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3375
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	5.00	ug/Kg	10/20/25 11:41	VW102025
106-46-7	1,4-Dichlorobenzene	20.3		1	1.60	5.00	ug/Kg	10/20/25 11:41	VW102025
95-50-1	1,2-Dichlorobenzene	20.0		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1	1.80	5.00	ug/Kg	10/20/25 11:41	VW102025
120-82-1	1,2,4-Trichlorobenzene	19.2		1	3.00	5.00	ug/Kg	10/20/25 11:41	VW102025
87-61-6	1,2,3-Trichlorobenzene	19.0		1	3.20	5.00	ug/Kg	10/20/25 11:41	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.1			63 - 155	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	53.0			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.7			17 - 146	103%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	281000							
540-36-3	1,4-Difluorobenzene	517000							
3114-55-4	Chlorobenzene-d5	481000							
3855-82-1	1,4-Dichlorobenzene-d4	241000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VW1020SBS01
Lab Sample ID: VW1020SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3375
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
74-87-3	Chloromethane	20.0		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-01-4	Vinyl Chloride	21.4		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
74-83-9	Bromomethane	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-00-3	Chloroethane	21.6		1	1.30	5.00	ug/Kg	10/20/25 12:03	VW102025
75-69-4	Trichlorofluoromethane	21.6		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-35-4	1,1-Dichloroethene	21.6		1	1.00	5.00	ug/Kg	10/20/25 12:03	VW102025
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	10/20/25 12:03	VW102025
75-15-0	Carbon Disulfide	21.6		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
1634-04-4	Methyl tert-butyl Ether	21.3		1	0.73	5.00	ug/Kg	10/20/25 12:03	VW102025
79-20-9	Methyl Acetate	20.9		1	1.50	5.00	ug/Kg	10/20/25 12:03	VW102025
75-09-2	Methylene Chloride	19.5		1	3.50	10.0	ug/Kg	10/20/25 12:03	VW102025
156-60-5	trans-1,2-Dichloroethene	21.5		1	0.86	5.00	ug/Kg	10/20/25 12:03	VW102025
75-34-3	1,1-Dichloroethane	21.5		1	0.80	5.00	ug/Kg	10/20/25 12:03	VW102025
110-82-7	Cyclohexane	19.7		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/20/25 12:03	VW102025
56-23-5	Carbon Tetrachloride	22.3		1	0.97	5.00	ug/Kg	10/20/25 12:03	VW102025
156-59-2	cis-1,2-Dichloroethene	21.2		1	0.75	5.00	ug/Kg	10/20/25 12:03	VW102025
74-97-5	Bromochloromethane	21.5		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
67-66-3	Chloroform	22.5		1	0.84	5.00	ug/Kg	10/20/25 12:03	VW102025
71-55-6	1,1,1-Trichloroethane	22.4		1	0.93	5.00	ug/Kg	10/20/25 12:03	VW102025
108-87-2	Methylcyclohexane	19.4		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
71-43-2	Benzene	21.8		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
107-06-2	1,2-Dichloroethane	22.0		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/20/25 12:03	VW102025
78-87-5	1,2-Dichloropropane	22.2		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
75-27-4	Bromodichloromethane	23.0		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	10/20/25 12:03	VW102025
108-88-3	Toluene	22.5		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
10061-02-6	t-1,3-Dichloropropene	22.6		1	0.65	5.00	ug/Kg	10/20/25 12:03	VW102025
10061-01-5	cis-1,3-Dichloropropene	22.1		1	0.62	5.00	ug/Kg	10/20/25 12:03	VW102025
79-00-5	1,1,2-Trichloroethane	22.6		1	0.92	5.00	ug/Kg	10/20/25 12:03	VW102025
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/20/25 12:03	VW102025
124-48-1	Dibromochloromethane	23.9		1	0.87	5.00	ug/Kg	10/20/25 12:03	VW102025
106-93-4	1,2-Dibromoethane	22.8		1	0.88	5.00	ug/Kg	10/20/25 12:03	VW102025
127-18-4	Tetrachloroethene	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
108-90-7	Chlorobenzene	21.3		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
100-41-4	Ethyl Benzene	20.6		1	0.67	5.00	ug/Kg	10/20/25 12:03	VW102025
179601-23-1	m/p-Xylenes	42.2		1	1.20	10.0	ug/Kg	10/20/25 12:03	VW102025
95-47-6	o-Xylene	20.7		1	0.82	5.00	ug/Kg	10/20/25 12:03	VW102025
100-42-5	Styrene	21.8		1	0.71	5.00	ug/Kg	10/20/25 12:03	VW102025
75-25-2	Bromoform	23.5		1	0.86	5.00	ug/Kg	10/20/25 12:03	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VW1020SBSD01
Lab Sample ID: VW1020SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3375
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.8		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
541-73-1	1,3-Dichlorobenzene	21.5		1	1.70	5.00	ug/Kg	10/20/25 12:03	VW102025
106-46-7	1,4-Dichlorobenzene	21.0		1	1.60	5.00	ug/Kg	10/20/25 12:03	VW102025
95-50-1	1,2-Dichlorobenzene	21.3		1	1.50	5.00	ug/Kg	10/20/25 12:03	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	23.0		1	1.80	5.00	ug/Kg	10/20/25 12:03	VW102025
120-82-1	1,2,4-Trichlorobenzene	20.3		1	3.00	5.00	ug/Kg	10/20/25 12:03	VW102025
87-61-6	1,2,3-Trichlorobenzene	20.9		1	3.20	5.00	ug/Kg	10/20/25 12:03	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.1			63 - 155	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.5			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.8			17 - 146	106%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	281000							
540-36-3	1,4-Difluorobenzene	508000							
3114-55-4	Chlorobenzene-d5	481000							
3855-82-1	1,4-Dichlorobenzene-d4	240000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3375</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date(s):	<u>10/01/2025</u> <u>10/01/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>13:12</u> <u>15:20</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:		RRF005 = VW032313.D		RRF010 = VW032314.D		RRF020 = VW032315.D		
		RRF050 = VW032316.D		RRF100 = VW032317.D		RRF150 = VW032318.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.347	0.343	0.345	0.264	0.284	0.299	0.314	11.5
Chloromethane	0.532	0.527	0.516	0.418	0.450	0.463	0.484	9.7
Vinyl Chloride	0.625	0.636	0.606	0.529	0.533	0.538	0.578	8.6
Bromomethane	0.483	0.472	0.435	0.382	0.391	0.386	0.425	10.6
Chloroethane	0.405	0.409	0.394	0.356	0.365	0.361	0.382	6.3
Trichlorofluoromethane	0.426	0.453	0.430	0.418	0.422	0.447	0.433	3.3
1,1,2-Trichlorotrifluoroethane	0.609	0.569	0.524	0.465	0.469	0.478	0.519	11.5
1,1-Dichloroethene	0.588	0.608	0.595	0.521	0.534	0.535	0.564	6.7
Acetone	0.235	0.230	0.209	0.183	0.174	0.181	0.202	13.1
Carbon Disulfide	1.581	1.583	1.581	1.442	1.517	1.521	1.538	3.7
Methyl tert-butyl Ether	1.087	1.161	1.150	1.069	1.094	1.099	1.110	3.3
Methyl Acetate	0.478	0.597	0.612	0.624	0.567	0.592	0.578	9.1
Methylene Chloride	1.280	1.052	0.811	0.631	0.630	0.625	0.838	32.6
trans-1,2-Dichloroethene	0.649	0.640	0.636	0.589	0.613	0.617	0.624	3.6
1,1-Dichloroethane	1.238	1.261	1.244	1.132	1.169	1.172	1.203	4.3
Cyclohexane	1.228	1.108	1.042	0.911	0.931	0.939	1.027	12.1
2-Butanone	0.271	0.293	0.286	0.262	0.262	0.277	0.275	4.6
Carbon Tetrachloride	0.446	0.441	0.427	0.403	0.434	0.429	0.430	3.5
cis-1,2-Dichloroethene	0.768	0.763	0.766	0.716	0.740	0.744	0.749	2.7
Bromochloromethane	0.566	0.588	0.583	0.547	0.553	0.557	0.566	2.9
Chloroform	1.257	1.275	1.271	1.146	1.191	1.178	1.220	4.5
1,1,1-Trichloroethane	0.906	0.910	0.896	0.816	0.835	0.822	0.864	5.1
Methylcyclohexane	0.585	0.542	0.529	0.521	0.568	0.561	0.551	4.5
Benzene	1.518	1.494	1.440	1.345	1.424	1.373	1.432	4.7
1,2-Dichloroethane	0.487	0.497	0.472	0.442	0.461	0.453	0.469	4.4
Trichloroethene	0.354	0.348	0.330	0.312	0.339	0.329	0.335	4.5
1,2-Dichloropropane	0.370	0.371	0.363	0.341	0.355	0.346	0.358	3.4
Bromodichloromethane	0.507	0.517	0.500	0.480	0.513	0.500	0.503	2.6
4-Methyl-2-Pentanone	0.289	0.325	0.318	0.312	0.314	0.317	0.313	3.9
Toluene	0.909	0.905	0.897	0.857	0.908	0.876	0.892	2.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>AECO02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3375</u>
Instrument ID: <u>MSVOA_W</u>	Calibration Date(s): <u>10/01/2025</u> <u>10/01/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>13:12</u> <u>15:20</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:								
RRF005 = VW032313.D			RRF010 = VW032314.D			RRF020 = VW032315.D		
RRF050 = VW032316.D			RRF100 = VW032317.D			RRF150 = VW032318.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.451	0.482	0.469	0.478	0.525	0.523	0.488	6.1
cis-1,3-Dichloropropene	0.531	0.571	0.550	0.544	0.591	0.584	0.562	4.2
1,1,2-Trichloroethane	0.304	0.307	0.295	0.280	0.293	0.285	0.294	3.6
2-Hexanone	0.202	0.225	0.226	0.219	0.223	0.228	0.220	4.4
Dibromochloromethane	0.317	0.327	0.334	0.326	0.355	0.343	0.334	4
1,2-Dibromoethane	0.286	0.295	0.288	0.278	0.285	0.287	0.287	2
Tetrachloroethene	0.327	0.325	0.299	0.278	0.287	0.279	0.299	7.3
Chlorobenzene	1.159	1.140	1.109	1.028	1.094	1.070	1.100	4.3
Ethyl Benzene	1.822	1.861	1.843	1.734	1.897	1.845	1.834	3
m/p-Xylenes	0.704	0.720	0.715	0.668	0.730	0.705	0.707	3
o-Xylene	0.632	0.665	0.653	0.637	0.701	0.678	0.661	3.9
Styrene	1.090	1.143	1.199	1.124	1.186	1.186	1.155	3.7
Bromoform	0.179	0.207	0.192	0.189	0.202	0.209	0.196	6
Isopropylbenzene	3.316	3.159	3.364	3.327	3.645	3.714	3.421	6.2
1,1,2,2-Tetrachloroethane	0.867	0.867	0.851	0.808	0.833	0.869	0.849	2.9
1,3-Dichlorobenzene	1.765	1.650	1.625	1.600	1.658	1.722	1.670	3.7
1,4-Dichlorobenzene	1.839	1.673	1.700	1.548	1.661	1.597	1.670	6
1,2-Dichlorobenzene	1.541	1.549	1.557	1.402	1.467	1.540	1.509	4.1
1,2-Dibromo-3-Chloropropane	0.146	0.144	0.150	0.146	0.147	0.160	0.149	3.8
1,2,4-Trichlorobenzene	0.956	0.842	0.865	0.833	0.938	0.997	0.905	7.5
1,2,3-Trichlorobenzene	0.893	0.818	0.839	0.810	0.864	0.895	0.853	4.3
1,2-Dichloroethane-d4	0.738	0.758	0.765	0.695	0.714	0.706	0.729	4
Dibromofluoromethane	0.331	0.335	0.327	0.306	0.331	0.311	0.324	3.8
Toluene-d8	1.182	1.204	1.166	1.193	1.231	1.194	1.195	1.8
4-Bromofluorobenzene	0.472	0.449	0.436	0.448	0.459	0.446	0.452	2.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3375</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>10/20/2025</u> <u>10:20</u>
Lab File ID:	<u>VW032378.D</u>	Init. Calib. Date(s):	<u>10/01/2025</u> <u>10/01/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:12</u> <u>15:20</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.314	0.311		-0.95	20
Chloromethane	0.484	0.459	0.1	-5.16	20
Vinyl Chloride	0.578	0.608		5.19	20
Bromomethane	0.425	0.444		4.47	20
Chloroethane	0.382	0.416		8.9	20
Trichlorofluoromethane	0.433	0.501		15.7	20
1,1,2-Trichlorotrifluoroethane	0.519	0.563		8.48	20
1,1-Dichloroethene	0.564	0.625		10.82	20
Acetone	0.202	0.196		-2.97	20
Carbon Disulfide	1.538	1.711		11.25	20
Methyl tert-butyl Ether	1.110	1.198		7.93	20
Methyl Acetate	0.578	0.649		12.28	20
Methylene Chloride	0.838	0.723		-13.72	20
trans-1,2-Dichloroethene	0.624	0.698		11.86	20
1,1-Dichloroethane	1.203	1.322	0.1	9.89	20
Cyclohexane	1.027	1.031		0.39	20
2-Butanone	0.275	0.276		0.36	20
Carbon Tetrachloride	0.430	0.504		17.21	20
cis-1,2-Dichloroethene	0.749	0.820		9.48	20
Bromochloromethane	0.566	0.610		7.77	20
Chloroform	1.220	1.377		12.87	20
1,1,1-Trichloroethane	0.864	0.981		13.54	20
Methylcyclohexane	0.551	0.593		7.62	20
Benzene	1.432	1.599		11.66	20
1,2-Dichloroethane	0.469	0.515		9.81	20
Trichloroethene	0.335	0.366		9.25	20
1,2-Dichloropropane	0.358	0.402		12.29	20
Bromodichloromethane	0.503	0.597		18.69	20
4-Methyl-2-Pentanone	0.313	0.344		9.9	20
Toluene	0.892	1.027		15.14	20
t-1,3-Dichloropropene	0.488	0.563		15.37	20
cis-1,3-Dichloropropene	0.562	0.643		14.41	20
1,1,2-Trichloroethane	0.294	0.336		14.29	20
2-Hexanone	0.220	0.244		10.91	20
Dibromochloromethane	0.334	0.413		23.65	20
1,2-Dibromoethane	0.287	0.319		11.15	20
Tetrachloroethene	0.299	0.315		5.35	20
Chlorobenzene	1.100	1.171	0.3	6.45	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3375</u>
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Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:12</u> <u>15:20</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.834	2.060		12.32	20
m/p-Xylenes	0.707	0.797		12.73	20
o-Xylene	0.661	0.740		11.95	20
Styrene	1.155	1.345		16.45	20
Bromoform	0.196	0.242	0.1	23.47	20
Isopropylbenzene	3.421	3.733		9.12	20
1,1,2,2-Tetrachloroethane	0.849	0.868	0.3	2.24	20
1,3-Dichlorobenzene	1.670	1.766		5.75	20
1,4-Dichlorobenzene	1.670	1.805		8.08	20
1,2-Dichlorobenzene	1.509	1.604		6.3	20
1,2-Dibromo-3-Chloropropane	0.149	0.158		6.04	20
1,2,4-Trichlorobenzene	0.905	0.957		5.75	20
1,2,3-Trichlorobenzene	0.853	0.902		5.74	20
1,2-Dichloroethane-d4	0.729	0.743		1.92	20
Dibromofluoromethane	0.324	0.347		7.1	20
Toluene-d8	1.195	1.278		6.95	20
4-Bromofluorobenzene	0.452	0.470		3.98	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.